MIDWEST WHEEL COMPANIES
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01 CATALOG NUMBER

IMPORTANT CSA PRODUCTS

VEHICLE CONTROL SYSTEMS

ABS • Roll Stability Control • Traction Control

WABCO TRACTOR ABS

Haldex

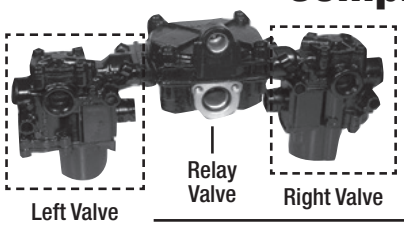
- » Remanufactured to OE Specs
- » Major savings over OE factory replacement valves
- » Easy drop-in replacement…no re-plumbing required
- » Functionally tested to insure top performance
- » Full one year warranty
- » Save Money!

MERITOR

- » Front ABS valve package combines ABS modulator valves with quick-release valve functions
- » Rear ABS valve package with optional ATC requires less maintenance than competitive systems
- » ABS valves optional with integrated QR feature

Complete Tractor Valve Kits - 3 Valve Kits

SAVE MONEY BUY REMAN!



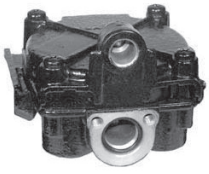
Haldex Reman	Meritor New #	Description
4725001030X	S4725001030	4S/4M Valve Pkg. 5.5 PSI Crack Pressure
4725001210X	S4725001210	4S/4M Valve Pkg. 5.5 PSI Crack Pressure
4725001230X	S4725001230	4S/4M & 6S/4M Valve Pkg. 5.5 PSI Crack Pressure

Replacement Modulator Valves

SAVE MONEY BUY REMAN!

Haldex Reman	Meritor New #	Description
4721950050X*	R950127-ST	Multi-directional Converts Screw Style to Bayonet Style - Straight Plug
	R950127-90	Multi-directional Converts Screw Style to Bayonet Style - 90° Plug
4721950520X	S4721950520	12V Bayonet Style Multi-directional
4721950760X	S4721950760	Left Flange 12V Bayonet Style
4721950770X	S4721950770	Right Flange 12V Bayonet Style
4721950820X*	R950140	Left Flange 12V Converts Screw Style to Bayonet Style
4721950830X*	R950141	Right Flange 12V Converts Screw Style to Bayonet Style
4721950780X	S4721950780	Left Flange 12V Bayonet Style
4721950790X	S4721920790	Right Flange 12V Bayonet Style

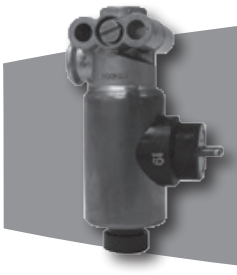
*Original Screw Style Design



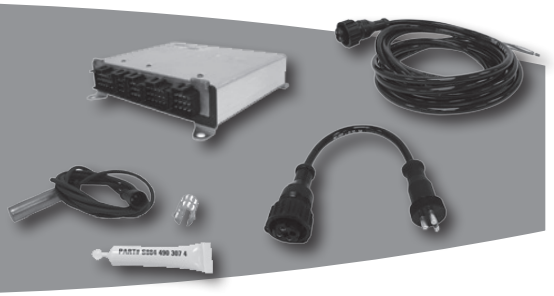
Replacement Relay Valves

SAVE MONEY BUY REMAN!

Haldex Reman	Meritor New #	Description
9730110210X	S4725000062	WABCO ABS Relay Valve 4 PSI
9730110240X	S4725000072	WABCO ABS Relay Valve 5.5 PSI



ATC Valves, ECUs, Sensors, Adapters & Power Cables Available



HALDEX ABS KITS

2S/1M Kits (New Trailer)

Typical – AQ960802 Shown

Features:
- New Trailer Placement
- For Non–Steer Axles
- Patented FFABS Valve with integral Spring Brake Control function
- Pre–installed Reservoir Nipple with swivel and lock–nut feature assures easy serviceability
- ECU and ABS Valve designed to be serviced separately

Single Axle (2 Sensors)

P/N	Valve Specifications	Kit Contents other than Valve/ECU Assemblies
AQ960208	4–Port, 3/4" Nipple 12V, 3/8" Ports Spring Brake Priority	20x12M Power Cord 2.5M Full Sensors (90°) & Clips
AQ960802	4–Port, 3/4" Nipple 12V, 3/8" Ports Spring Brake Priority	20x12M Power Cord ABS Light Kit 2.5M Sensor Extensions
AQ961402	4–Port, 3/4" Nipple 12V, 3/8" Ports Spring Brake Priority	2.5M Sensor Extensions

4S/2M Kits (New Trailer)

AQ963005 Shown

Features:
- New Trailer Build solutions
- ECU and ABS Valve designed to be serviced separately

2 Axle System (4 Sensors)

P/N	Valve Specifications	Kit Contents other than Valve/ECU Assemblies
AQ963004	2–Port, 1/2" Res. Port 12V, 3/8" Control 3/8" Delivery	6.0M Power Cord Extension, 1.5M & 2.5M Sensor Extensions 2–Port Relay Valve, 2.0M Relay Valve Cable Hose Clips, Cable Grips, Labels
AQ963005	6–Port, 1/2" Res. Port 12V, 3/8" Control 3/8" Delivery	6.0M Power Cord Extension, 2.0M & 3.0M Sensor Extensions 2–Port Relay Valve, 2.0M Relay Valve Cable Hose Clips, Cable Grips, Labels
AQ963013	4–Port, 3/4" Nipple 12V, 3/8" Ports Spring Brake Priority	20x12 Power Cord, 1.5M & 2.5M Sensor Extensions 2–Port Relay Valve, 2.0M Relay Valve Cable Warning Lamp Kit, Misc. Hardware & Labels
AQ963014	2–Port, 3/4" Nipple 12V, 3/8" Ports Spring Brake Priority	20x12 Power Cord, 2.0M 90° Sensors 2.5M 90° Sensors, 2–Port Relay Valve 2.0M Relay Valve Cable, Warning Lamp Kit Misc. Hardware & Labels

2S/1M ABS Kits (Universal Replacement)

Typical – AQ960503 Shown

Features:
- Competitive Replacement
- For Non–Steer Axles
- Cost Effective solution for competitive system change–out
- ECU and ABS Valve designed to be serviced separately

Single Axle (2 Sensors)

P/N	Valve Specifications	Kit Contents other than Valve/ECU Assemblies
AQ960503	6–Port, 1/2" Res. Port 12V, 3/8" Control, 3/8" Delivery	6.0M Power Cord Extension 3.0M Sensor Extensions
AQ960510	6–Port, 1/2" Res. Port 12V, 3/8" Control, 3/8" Delivery	6.0M Power Cord Extension 2.0M Sensor Extensions
AQ960514	4–Port, 1/2" Res. Port 12V, 3/8" Control, 3/8" Delivery Special Mounting Bracket	6.0M Power Cord Extension 2.5M Sensors & Clips All Misc. Hardware Required
AQ960515	4–Port, 1/2" Res. Port 12V, 3/8" Control, 3/8" Delivery Special Mounting Bracket	6.0M Power Cord Extension 2.5M Sensors & Clips

4S/2M ABS Kits (Universal Replacement)

AQ963002 Shown

Features:
- Cost Effective solution for competitive system replacement
- ECU and ABS Valve designed to be serviced separately
- Patented FFABS Valve with integral Spring Brake Control function
- Pre–installed Reservoir Nipple with swivel and lock–nut feature assures easy serviceability

2 Axle System (4 Sensors)

P/N	Valve Specifications	Kit Contents other than Valve/ECU Assemblies
AQ963011	2–Port, 3/4" Nipple 12V, 3/8" Ports Spring Brake Priority	6.0M Power Cord Extension 1.5M & 2.5M Sensor Extensions 2–Port Relay Valve 2.0M Relay Valve Cable Hose Clips, Cable Grips, Labels

ECU Upgrade Kits

Typical – AQ964111 Shown

Features:
- Cost Effective solution for competitive system change–out
- ECU and ABS Valve designed to be serviced separately
- Patented FFABS Valve with integral Spring Brake Control function
- Pre–installed Reservoir Nipple with swivel and lock–nut feature assures easy serviceability

P/N	Kit Contents
AQ964110	1.0m Power Cord Extension 0.5m Sensor Extensions PLC Select ECU & Bracket
AQ964111	2.0m Power Cord Extension 1.0m Sensor Extensions PLC Select 2M ECU & Bracket Power Cord End Kit Valve Relay Cable

HALDEX ABS COMPONENTS

ABS Relay 2 & 6–Port Delivery

P/N	Valve Specifications
AL364040	2–Port, 1/2" Res. Mount 12V, 3/8" Ports
AL364041	6–Port, 1/2" Res. Mount 12V, 3/8" Ports
AL364045	2–Port, 1/2" Frame Mount 12V, 3/8" Ports

Features:
- Production part number is embossed on metal tag

FFABS 2 & 4–Port Delivery

P/N	Valve Specifications
AL430614	4–Port, 1/2" & 3/4" Nipple, 12V, 3/8" Ports Service Brake Priority
AL430624	4–Port, 1/2" & 3/4" Nipple, 12V, 3/8" Ports Spring Brake Priority
AL430668	4–Port, 1/2" & 3/4" Nipple, 12V, 3/8" Ports Service Brake Priority, (4–SB Port)

Features:
- Patented FFABS Valve with integral Spring Brake Control function
- Pre-installed Reservoir Nipple with swivel and lock-nut feature assures easy serviceability
- FFABS Valves are standard with filters in both the Control and Supply Ports
- Production part number is embossed on metal tag

ABS ECUs - PLC/PLC Plus

P/N	ECU Specifications
AL919311	SLH–A7, 19 Pin 2 Keys – Diagonal
AL919312	SLH–A8, 19 Pin 2 Keys – Across

Features:
- OEM part number is located on top of ECU

ABS ECUs - PLC Select 1M and 2M

P/N	ECU Specifications
AL919338	DIN 12V, SLH–A7
AL919342	DIN 12V, SLH–A7

Features:
- Wheel–speed Sensor and Trailer Power connects directly to ECU – no intermediate cables required
- Single fastener design assures easy serviceability
- Potted ECU Enclosure provides excellent protection from the environment

Power Adapters, Cables & Cords

Full Power Cables

P/N	Length	ABS Lamp Lead
AL918602	65.7 ft. (20m)	39.4 ft. (12m)
AL918603	39.4 ft. (12m)	26.2 ft. (8m)

Features:
- Over–mold design introduced 3Q2009
- All Full Power Cables include ABS Lamp Lead
- All Full Power Cables may be shortened to fit application by cutting the "stripped end"

Power Cord Extensions

P/N	Length
AL919900	6.6 ft. (2m)
AL919901	13.1 ft. (4m)
AL919902	19.7 ft. (6m)
AL919903	3.0 ft. (1m)

Features:
- Over–mold design introduced 3Q2009

ABS Sensors

P/N	Description	Length
AL10271915	90°	6.6 ft. (2m)
AL1027196	Straight	1.6 ft. (0.5m)
AL1027197	Straight	6.6 ft. (2m)
AL364061	90°	4.9 ft. (1.5m)
AL364062	90°	8.2 ft. (2.5m)
AL364063	90°	11.5 ft. (3.5m)

Features:
- Sensors supplied with A59512309 (OEM #059512309) Retainer Clip

ABS Sensors Extensions

Features:
- Use universally with any Haldex Sensor or Sensor Extension to accommodate required length

P/N	Length
AL919800	1.6 ft. (0.5m)
AL919801	3.3 ft. (1m)
AL919802	4.9 ft. (1.5m)
AL919803	6.6 ft. (2m)
AL919804	8.2 ft. (2.5m)
AL919805	9.8 ft. (3m)
AL919807	13.1 ft. (4m)
AL919808	16.4 ft. (5m)
AL919809	19.7 ft. (6m)

Installation Components & Accessories

A902700

AQ15473

AL920809
AL920810

A902701

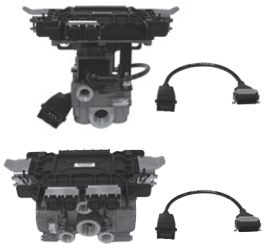
AQ15463

P/N	Description
A902700	Tractor and Trailer ABS Retainer
A902701	Tractor and Trailer ABS Clip
A2020109	Trailer ABS Exciter Ring
AL920809	Tractor and Trailer ABS Sensor Wire Retaining Clip (Black)
AL920810	Tractor and Trailer ABS Sensor Wire Retaining Clip (Gray)
AQ15463	Trailer ABS Lamp Kit (Bracket, Lamp and 6" Lead)
AQ15473	5 Way Terminal Kit for Power Cords
AQ15474	5 Way Terminal Kit for Loom Assemblies
AQ961110	Universal ABS Service Components Kit. Includes: Power Terminal Kit; Sensor/Clip Kit; Lamp Kit; Extensions; Grip; Clips
S2255U1113	Sensor Block (Requires welding in precise location)

MERITOR / WABCO TRAILER ABS

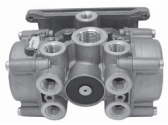
EASY-STOP ECU/VALVE RETROFIT KITS

Kit designed to retrofit Wabco Easy-Stop to new Enhanced Easy-Stop – if system is already Enhanced Easy-Stop then replacement valve is all that is needed.



P/N	ABS System	Application Info	Replacement Valve - ECUs
R955322	2S/1M Dollies, steerable axles, turntables	Contains an Enhanced Easy-Stop ECU/Valve and a power cable adapter for use with the existing Easy-Stop power cable. Contains power cable adapter	**S4005001040**
R955344	2S/1M Standard trailers		**S4005001010**
R955345	2S/1M Standard trailers	Contains an Enhanced Easy-Stop ECU/Valve and a power cable adapter for use with the existing Easy-Stop power cable. Contains power/diagnostic cable adapter	**S4005001010**
R955320	2S/2M, 4S/2M	Contains an Enhanced Easy-Stop ECU/Valve and a power cable adapter for use with the existing Easy-Stop power cable. Contains power cable adapter	**S4005001030**
R955321	2S/2M, 4S/2M	Contains an Enhanced Easy-Stop ECU/Valve and a power cable adapter for use with the existing Easy-Stop power cable. Contains power/diagnostic cable adapter	**S4005001030**
-	2S/2M	Contains an ECU, dual modulator valve and, for the Basic, a bracket. Replacement parts include ECU or modulator valve, mounting screws, o-rings, grease, and installation instructions	**S4005001020**

ABS MODULATOR VALVES



P/N	Description	Kit Contains
R955378	Single Modulator Valve	S4721950330 Replacement Valve S8946011322 Replacement Cable
S4008506020	Dual Modulator Valve	Valve Only

ECUs

P/N	Description
S4461082010	Replacement ECU for S4005001010
S4008506000	Replacement ECU for S4005001020
S4008506010	Replacement ECU for S4005001030
S4461082040	Replacement ECU for S4005001040

IN-LINE FILTER

P/N	Application Info
S4325000050	In-line filter (complete valve). Mounted at the Gladhand. Highly recommended for control line. Prevents contamination of the trailer's air system. Requires regular cleaning, but equipped with a bypass if needed.

POWER CABLES

P/N	Length	Application Info
S4493260050	1.65 ft. (.5m)	Enhanced Easy-Stop 4-conductor power cable. Available with industry standard harness connector and Enhanced Easy-Stop connector.
S4493260100	3 ft. (1m)	
S4493260300	10 ft (3m)	
S4493260470	14 ft. (4.7m)	
S4493260600	20 ft. (6m)	

P/N	Length	Application Info
S4493641020	1.5 ft. (.4m) & 7 ft. (2m)	Enhanced Easy-Stop 4-connector "Y" style power/diagnostics cable. Used with diagnostic connector on the trailer.
S4493641530	20 ft. (6m) & 10 ft (3m)	

RIGHT ANGLE SENSORS

P/N	Cable Length	Angle	Application Info
S4410328080*	1 ft. (0.3m)	90°	Installed at wheel ends to measure the motion of a sensed wheel in ABS applications. Sensor kits include sensor with cable leads, sensor clip (S8997598154), grease packet (S8844903074) and instruction sheets. When replacing the sensor, you must also replace the sensor clip. *S4410328080 does not come with clip or grease
S4410328090	3 ft. (1m)	90°	
R955328	5.6 ft. (1.7m)	90°	
R955341	5.8 ft. (1.8m)	90°	
R955342	6.6 ft. (2m)	90°	
R955329	5.6 ft. (1.7m)	0°	
R955338	5.8 ft. (1.8m)	0°	

SENSOR EXTENSION CABLE WITH PLUG

P/N	Cable Length	Application Info
S4497130500	16 ft. (5m)	Two-wire cable that connects the wheel end sensors to the ECU. Use with all versions of Easy-Stop and Enhanced Easy-Stop
S4497130180	6 ft. (1.8m)	
S4497130300	10 ft (3m)	
S4497130700	23 ft. (7m)	

SENSOR CLIP

P/N	I.D.	O.D.	Length	Application Info
R955458	0.63" 16.0 mm	0.71" 18.0 mm	1.18" 30.0 mm	Holds sensor in place. Chrome nickel sensor clip. Contains sensor clip and grease packet

WABASH COMPLETE RETROFIT KIT

R955374

2S/1M System. ECU/Valve Assembly, 14' Power Cable, Sensors with 18" Leads, 6' Sensor Extension Cables and Sensor Clips

BENDIX TRAILER ABS

MC-12™ TRAILER ABS MODULE REPLACEMENTS

- The MC-12™ Trailer ABS Modules are no longer available. TABS-6™ kits are available for service.
- The MC-12™ was only available in 2S/1M configurations.

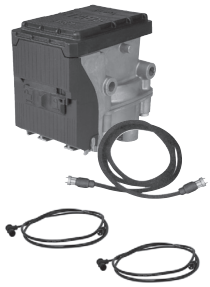
P/N	Description
802902	MC-12™ ABS Assembly for Trailers w/ 234" 5 Pin ABS Pigtail

TABS-6™ TRAILER ABS MODULE

- All TABS-6™ Trailer ABS Modules communicate over PLC and have a 4 port relay

P/N	Description	Default Configuration	Auto-Configurable To:
801855	TABS-6™ Standard	2S/1M	None
801991	TABS-6™ Premium	2S/1M	2S/2M-Axle; 4S/2M-Axle
801990	TABS-6™ Standard	2S/1M - Dolly	None
801856	TABS-6™ Premium	2S/1M - Dolly	2S/2M-Side; 4S/2M-Side; 4S/3M-Side/Axle

ABS UNIVERSAL 2S/1M SERVICE REPLACEMENT KIT



802997

Kit includes:

- TABS-6 Trailer ABS Assembly
- Power Harness (234 in. 5-pin Packard, Non-Terminated 10 in.
- Indicator Lamp)
- WS-24™ Wheel Speed Sensor Extension Cable (60 in.)
- Decal - ABS Lamp
- Decal - ABS Diagnostics

Note: Spring brake valve kit K050582 is needed when replacing ABS systems w/integrated spring brake valves

REPLACEMENT KIT FOR BENDIX MC-30 ABS

5020216 - 2S/1M **5020218 - 4S/2M**

Kit includes:

- TABS-6 Trailer ABS Assembly
- Power Harness (780 in. 5-pin Packard, Non-Terminated 10 in. Indicator Lamp)
- Bendix® WS-24™ Wheel Speed Sensor (DIN, 90°, 16 in.)
- Bendix® WS-24™ Wheel Speed Sensor Extension Cable (60 in.)
- Bendix® WS-24™ Wheel Speed Sensor Bushing
- Bendix® SR-5™ Trailer Spring Brake Valve (½ in.)
- Cable Tie 8 in. (Cable Routing)
- Cable Tie 24 in. (Sensor Lead Axle Routing)
- ABS Sensor Wire Clip (Sensor Delivery Hose Routing)
- ABS Indicator Light
- Decal - ABS Lamp
- Decal - ABS Diagnostics

TABS-6™ HARNESSES AND CABLES

P/N	Description	Length
802025	WS-24™ Wheel Speed Sensor Extension	80"
802052		60"
801998	ECU Pigtail - Standard 2S/1M	Power - 234"
K025647	ECU Pigtail - Advanced MC, 4S/2M or 2S/2M	Power - 9"
802011	ECU Pigtail - Premium 4S/2M	Power - 234", Modulator - 36", Sensors - 60", Diagnostic - 9"

BR9235™ ABS MODULATOR/RELAY VALVE

P/N	Description	Supply	Delivery
801993	Modulator Relay Valve	3/4" NPT	4 x 3/8" NPT
801994	Modulator Relay Valve with Bracket	3/4" NPT	4 x 3/8" NPT

WS-24™ WHEEL SPEED SENSORS

0° (Straight) Bendix® WS-24™ Wheel Speed Sensors

90° Bendix® WS-24™ Wheel Speed Sensors

P/N	Body Style	Harness Length	Connector Type	Customers Include
801544	90°	12"	DIN	Trailer OEMs.
K029519	Straight			
801538	90°	75"		Peterbilt, Kenworth
801541	90°	63"		Volvo, Blue Bird
801543	Straight	66"		Peterbilt, Kenworth, Volvo
801549	90°	60"	DT04	International
801551	90°	40"		
801552	Straight	75"		
801553	Straight	40"		
801563	Straight	61"	DT06	-

Clamping Sleeve
P/N 801534

Included with all service new WS-24™ Sensors New universal clamping sleeves have a Dynamark symbol stamped as shown. NOTE: Early WS-20™ clamping sleeves have "BW" in a diamond symbol stamped and cannot be used for WS-24™ sensors.

Previous Bendix Wheel Speed Sensors (WS-20)

The WS-24™ sensor fit and function is compatible with all previous Bendix wheel speed sensors (when used with correct clamping sleeve - see above).

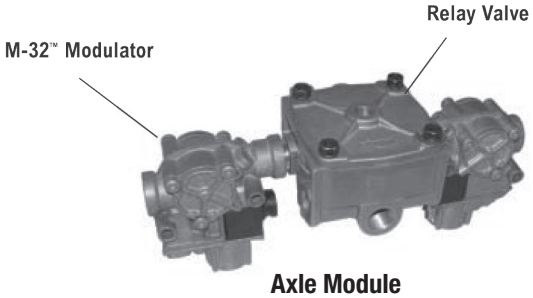
Available Options

Deutsch DTM06-2S Connector
NOTE: Deutsch model number "DTM06-2S" molded into connector body

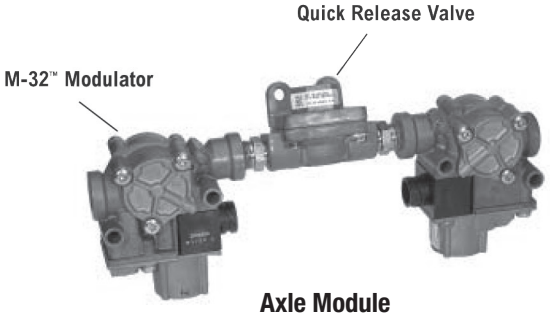
Deutsch DT04-2P Connector
NOTE: Deutsch model number "DT04-2P" molded into connector body

Standard 2-Pin DIN Barrel Connector

Bendix BENDIX TRACTOR ABS



Axle Module
R-12® Relay Valve Version Shown
(R-14®, ATR-3™ and ATR-6™ are similar)



Axle Module
Quick Release Valve Version

MODULATORS

M-32™ and M-32QR™ AntiLock Modulators

P/N	Description	Supply Port	Delivery Port	Electrical Connector Type	Supply Voltage	Customers Include
801665 **801666**	M-32™ Modulator	1/2" NPT	1/2" NPT	Twist-Lock	12	Volvo, Mack, Peterbilt, Kenworth
801585		1/2" NPT	1/2" NPT	Packard	12	International
801481	M-32QR™ Modulator	1/2" NPT	1/2" NPT	Packard	12	International
801479		1/2" PTC	1/2" PTC	Packard	12	International
801482		1/2" NPT	1/2" NPT	Twist-Lock	12	Bluebird

M-32QR

M-32

M-30™ to M-32™ and M-32QR™ AntiLock Modulator Changeover

- M-30™ antilock modulators are no longer available. M-32™ and M-32QR™ modulators are available for service.
- When replacing the M-30™ modulators on the steer axle, replace both with M-32™ modulators.

Old M-30™ P/N	New M-32™ P/N
5005894	**801481**
5005895	**801479**
5006659	**801481**

Old M-30™ P/N	New M-32™ P/N
5008951	**801481**
5009304	**801481**

M-30™ Modulator (Superseded by the M-32™ and M-32QR™ modulators)

RELAY VALVES

ATR-1™ to ATR-6™ Traction Relay Valve Changeover

ATR-1

- ATR-1™ traction relay valves are no longer available. ATR-6™ traction relay valves and retrofit kits are available for service.

ATR-6™ Valve Service New P/N	Crack Pressure PSI	Mounting Bracket	ATR-1™ Valve Connector Type	Harness Service P/N	Supply Voltage
K072339	4.0	5/16" x 1.35"	DT04-2P	K032114	12V
K072311		5/16" x 1.35"	DTM06-2S-E007	K032115	12V

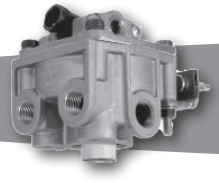
ATR-3™ to ATR-6™ Traction Relay Valve Changeover

- ATR-3™ traction relay valves are no longer available. ATR-6™ traction relay valves and retrofit kits are available for service.

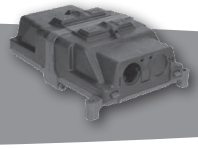
ATR-6™ Valve Service New P/N	Crack Pressure PSI	Mounting Bracket Included	Mounting Bracket	Customers	Supply Voltage
K070951	5.5	No	-		12V
K070954		Yes	Mounting Bolts - 1.32" long	Kenworth	12V

R-12® Relay Valve

803115
5.5 PSI



ATR-6 & ECUs Available!



TRAILER ROLL STABILITY

Meritor Wabco Trailer RSSplus™

Features and Benefits:

- Monitors the trailer's wheel speed, lateral acceleration and air suspension pressure or spring deflection, and activates trailer brakes to slow he vehicle when necessary
- Software solution incorporating trailer ABS that operates independently from the tractor stability system
- For retrofits, if trailer is already equipped with Meritor Wabco ABS, existing sensor cables can be re-used to decrease installation expense
- Integrated PLC provides instant transmission of stability events to tractor-installed telematic device
- Our comprehensive warranty includes 1-year/100,000-Miles parts and labor

RSSplus Air Ride Retrofits 4S/2M

Existing Trailer Set-up	2S/1M Units	4S/2M Units
MW ABS-Equipped Trailer	R955464	R955466
Non-ABS or Other Non-MW ABS-Equipped Trailer	R955465	R955465

RSSplus Spring Ride Retrofits 4S/2M

Existing Trailer Set-up	2S/1M Units	4S/2M Units
MW ABS-Equipped Trailer	R955469	R955471
Non-ABS or Other Non-MW ABS-Equipped Trailer	R955470	R955470

RSSplus Air Ride Retrofits 2S/2M

Existing Trailer Set-up	2S/1M Units	4S/2M Units
MW ABS-Equipped Trailer	R955467	-
Non-ABS or Other Non-MW ABS-Equipped Trailer	R955468	-

RSSplus Spring Ride Retrofits 2S/2M

Existing Trailer Set-up	2S/1M Units	4S/2M Units
MW ABS-Equipped Trailer	R955472	-
Non-ABS or Other Non-MW ABS-Equipped Trailer	R955473	-

Replacement RSSplus™ Components

P/N	Component Part	Description	
S4801070000	ECU/Valve Assembly		
S4325000050	Control Line Filter Valve	In-Line Filter to be installed upstream of ECU	
S4493510100	Power Cable	3.3 ft. (1.0m)	Only one required per trailer
S4493510470		15.4 ft. (4.7m)	
S4410328080	Sensor Assembly	1.3 ft. (0.4m) - 90º	Four of one sensor required per trailer
S4410328090		3.3 ft. (1.0m) - 90º	
S8997598154	Sensor Spring Clip	CrNi	Four each per trailer
S4497230180	Sensor Extension Cable	5.9 ft. (1.8m)	A total of four required per trailer
S4497230300		9.8 ft. (3.0m)	
S4497230510		16.7 ft. (5.1m)	
S4497231200		39.4 ft. (12.0m)	
S4410501000	Distance Sensor	32.8 ft. (10.0m)	Required for spring suspensions
S4498110200	Distance Sensor Cable	6.6 ft. (2.0m)	One required for spring suspensions
S4498110300		9.8 ft. (3.0m)	
S4410507112	Mechanical Linkage Arm	9.75 in.	One required for spring suspensions
S4410507122		9.25 in.	
S1000010124	Meritor/Wabco RSS Label	-	
S8992018334	Meritor/Wabco Caution Label	-	

Haldex Trailer TRS

Typical – AL919337 ECU and AL833000 Valve Shown

Features:

- 4S/2M ABS with Roll Stability Support
- ECU and Dual Modulator Valve Serviced Separately
- Integral Lateral Accelerometer to monitor Roll Stability
- Integral Control Line Filter

	P/N	Description	Application/Notes
KITS	**AQ968302**	TRS Premium Retrofit Kit	12V, TRS Components for Retrofit of existing 4S/2M ABS Installations
KITS	**AQ968303**	TRS Service Kit (Gen 2 for Gen 1)	Service Components for Gen 1 ECU (AL919329 / 832001001) & PLC Power Adapter (AL95691 / 300569AD)
KITS	**AQ968304**	TRS Replacement Kit (Heil Special)	TRS Components for Retrofit of existing 4S/2M ABS Installations
	AL833000	TRS Dual Modulator Valve	Reservoir Port 1/2", Control Port 3/8" Air Bag Port 3/8", 6–Delivery Ports 3/8"
	AL919337	TRS ECU	12V with 3 Auxiliary Ports
	AL956112	TRS Sensor Extension	10 Ft. (3.0m) Length with Click–fit, Sealed Connector
	AL956114	TRS Sensor Extension	20 Ft. (6.0m) Length with Click–fit, Sealed Connector
	AL956115	TRS Sensor Extension	6.5 Ft. (2.0m) Length with Click–fit, Sealed Connector
	AL956116	TRS Power Cord Extension Basic (without Brake Light Illumination benefit)	Provides Delphi 5–Pin N.A. Power Convention

TRAILER ROLL STABILITY CONT'D

BENDIX TABS-6™ ADVANCED TRAILER ABS WITH STABILITY CONTROL MODULE REPLACEMENT

- User is required to verify proper configuration with Bendix and perform installation test using ACom® diagnostic software
- All TABS-6™ Advanced modules are 2S/1M; have a 4 port relay and may be nipple mounted to a reservoir

P/N	Default Configuration				
	Axle Spacing (inches)	Mounting Orientation (degrees)	Offset (inches) - side	Air Suspension Empty	Air Suspension Loaded
K029141	49"	270°	10" curb	13 psi @ 8k	82 psi @ 34k
K041385	49"	90°	0"	14 psi @ 9k	83 psi @ 34k
K028577	49"	270°	10" curb	11 psi @ 8k	69 psi @ 34k

BENDIX TABS-6™ ADVANCED MULTI-CHANNEL TRAILER ABS W/ STABILITY CONTROL MODULE REPLACEMENT

- User is required to verify proper configuration with Bendix and perform installation test using ACom® diagnostic software
- All TABS-6™ Advanced Multi-Channel modules have 6 delivery ports and must be frame mounted

P/N	Config.	Default Configuration				
		Axle Spacing (inches)	Mounting Orientation (degrees)	Offset (inches) - side	Air Suspension Empty	Air Suspension Loaded
K028522	4S/2M - Side	49"	0°	0"	9 psi @ 7k	70 psi @ 34k
K028974	4S/2M - Side	121"	0°	0"	9 psi @ 7k	82 psi @ 40k

ABS DIAGNOSTIC TOOL

POCKET IQ™ COMPLETE ABS KIT

The Pocket iQ ABS product family provides brake coverage for a wide range of applications, making the Pocket iQ the industry scan tool of choice for heavy-duty brake diagnostics. With the introduction of the ABS Suite, the Pocket iQ is now a full-service brake scan tool, providing connectivity to tractors and trailers utilizing the SAE J1587 communication protocol. The Complete ABS Kit also comes with a new J560 PLC seven-way adapter (available separately) that allows direct connection to a trailer without the tractor. With access to a broad array of special tests, technicians can quickly and easily obtain a reliable and accurate diagnosis of brake status.

Versatile and reliable, the Complete ABS Kit is the all-inclusive diagnostic brake tool that works with popular anti-lock brake systems (ABS), including Meritor WABCO®, Bendix®, Wabash, Haldex, and Eaton.

Monitor tractor/trailer anti-lock brake systems.

MPS-692021

Includes:
- Pocket iQ
- ABS Suite
- J560 PLC Adapter

Basic Functions:
- Read Fault Codes
- Clear Fault Codes
- View Brake Data

Coverage: ABS Suite
- BENDIX®
- Meritor WABCO® Air and Hydraulic
- Wabash National MBS-1P and MBS-2
- Eaton GEN4 and GEN5
- Haldex PLC, PLC Plus, and PLC Select

Provides Convenient Testing of the Following:
- Trailer ABS system with PLC communications
- Auto detects the OEM's ECU system configuration
- View and clear current and historic faults
- Actuate modulators and valves
- Cycling of the brake retarder relays
- Testing of battery voltage
- Wheel sensor testing and traction disabling
- Retrieval of ECU information
- Testing of the trailer's ABS "Test Warning Lamp"
- Read trailer odometer/trip distance

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